

<b>FORM PTO-1449</b>		Attorney Docket:	Serial No.:
<b>INFORMATION DISCLOSURE CITATION</b>		2455-4601	09/311,562
		Applicant:	Cimini et al.
		Filing Date:	Group Art Unit: 05/14/99 <del>2731</del> 2665

**U.S. PATENT DOCUMENTS**

Examiner Initial		Document Number	Date	Name	Class	Sub-Class	Filing Date
	AA	O I P E J C 6					
	AB	AUG 23 1999					
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

**OTHER DOCUMENTS (Including Author, Title, Date, etc.)**

444	1	Timothy M. Schmidl and Donald C. Cox, "Robust Frequency and Timing Synchronization for OFDM," IEEE TRANSACTIONS ON COMMUNICATIONS, Vol. 45, No. 12, December 1997, pp. 1613-1621.
	2	Thierry Pollet et al., "BER Sensitivity of OFDM systems to Carrier Frequency Offset and Wiener Phase Noise," IEEE TRANSACTIONS ON COMMUNICATIONS, Vol. 43, No. 2/3/4, Feb/Mar/Apr 1995; pp. 191-193.
	3	Paul H. Moose, "A Technique for Orthogonal Frequency Division Multiplexing Frequency Offset Correction," IEEE TRANSACTIONS ON COMMUNICATIONS, Vo. 42, No. 10, October 1994, pp. 2908-2914.
	4	Timothy M. Schmidl and Donald C. Cox, "Low-Overhead, Low-Complexity [Burst] Synchronization for OFDM", Proc. ICC, June 1996, pp. 1301-1306.
	5	J.-J Van De Beek, et al., "Low Complex Frame Synchronization in OFDM Systems," Proc. ICUPC, Nov. 1995, pp. 982-986.
	6	Laszlo Hazy and Mohammed El-Tanany, "Synchronization of OFDM Systems Over Frequency Selective Fading Channels," 1997 IEEE 47 <sup>th</sup> Vehicular Technology Conference, Phoenix, AZ, May 4-7, 1997; pp. 2094-2098.
	7	Thierry Pollet et al., "The BER Performance of OFDM Systems Using Non-Synchronized Sampling," Proc. Globecom, Nov. 1994, pp. 253-257.
	8	Ji Sung Oh et al., "A Carrier Synchronization Technique for OFDM on the Frequency-Selective Fading Environment," 1996 IEEE 46 <sup>th</sup> Vehicular Technology Conference, Atlanta, GA, April 28-May 1, 1996; pp. 1574-1578.
	9	William D. Warner et al., "OFDM/FM Frame Synchronization for Mobile Radio Data Communication," IEEE TRANSACTIONS ON VEHICULAR TECHNOLOGY, Vol. 42, No. 3, August 1993, pp. 302-313.

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644		10	J-J Van De Beek, et al., "ML Estimation of Time and Frequency Offset in OFDM Systems," IEEE TRANSACTIONS ON SIGNAL PROCESSING, Vol. 45, No. 7, July 1997; pp. 1800-1805.	
		11	Flavio Daffara and Antoine Chouly, "Maximum Likelihood Frequency Detectors for Orthogonal Multicarrier Systems," IEEE International Conference on Communications '93, May 23-26, 1993, Geneva, pp. 766-771.	
		12	Hiroshi Nogami et al., "A Frequency and Timing Period Acquisition Technique for OFDM Systems," The Sixth IEEE International Symposium on Personal, Indoor and Mobile Radio Communications, PIMRC'95, Sept 27-29, 1995, Toronto, pp. 1010-1015.	
		13	T. Keller et al., "Orthogonal Frequency Division Multiplex Synchronization Techniques for Wireless Local Area Networks," PIMRC'96, October 15-18, 1996, Taipei, Taiwan, pp. 963-967.	
		14	Minoru Okada et al., "Optimum Synchronization of Orthogonal Multi-Carrier Modulated Signals," PIMRC'96, October 15-18, 1996, Taipei, Taiwan, pp. 863-867.	
		15	Masato Mizoguchi, et al., "A Fast Burst Synchronization Scheme for OFDM," IEEE 1998 International Conference on Universal Personal Communications (ICUPC '98), October 5-9, 1998, Florence, Italy, pp. 125-129.	
		16	Flavio Daffara and Ottavio Adamo, "A New Frequency Detector for Orthogonal Multicarrier Transmission Techniques," 1995 IEEE 45 <sup>th</sup> Vehicular Technology Conference, July 25-28, 1995, Chicago, Illinois, pp. 804-809.	
		17	Ferdinand Classen and Heinrich Meyr, "Frequency Synchronization Algorithms for OFDM Systems Suitable for Communication over Frequency Selective Fading Channels," VTC 1994, 1994 IEEE 44 <sup>th</sup> Vehicular Technology Conference, June 8-10, 1994, Stockholm, pp. 1655-1659.	
		18	Uwe Lambrette, et al., "OFDM Burst Frequency Synchronization by Single Carrier Training Data," IEEE COMMUNICATIONS LETTERS, Vol. 1, No. 2, March 1997, pp. 46-48.	
		19	Keon Woo Kang et al., "Decision-Directed Maximum-Likelihood Estimation of OFDM Frame Synchronisation Offset," Electronics Letters, December 8, 1994, Vol. 30, No. 25, pp. 2153-2154.	
		20	Marco Luise and Ruggero Reggiannini, "Carrier Frequency Acquisition and Tracking for OFDM Systems," IEEE TRANSACTIONS ON COMMUNICATIONS, Vol. 44, No. 11, November 1996, pp. 1590-1598.	
		21	Michael Speth, et al., "Minimum Overhead Burst Synchronization for OFDM Based Broadband Transmission," IEEE Globecom 1998, Conference Record - Vol 5 of 6, November 8-12, 1998, Sydney, pp. 2777-2782.	
		22	Rohit Negi and John Cioffi, "Blind OFDM Symbol Synchronization in ISI Channels," IEEE Globecom 1998, Conference Record - Vol. 5 of 6, November 8-12, 1998, pp. 2812-2817.	
Examiner		Alpus H. Hsu		Date Considered <i>8/12/03</i>
EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP §609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant.				

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